

## CLAIMS

1. A method for inquiring about information relating to a wireless terminal of a cellular network, from the cellular network from a messaging server external to the cellular network, wherein the method comprises:

5 sending an inquiry from the messaging server to the cellular network to determine said information relating to the terminal, the inquiry comprising a first identifier for identifying said terminal, the first identifier being a specific identifier external to the cellular network;

10 mapping said first identifier to a specific second identifier in the cellular network, the second identifier being an internal identifier of the cellular network;

determining said information relating to the terminal with the aid of said second identifier;

15 sending a response message in response to said inquiry from the cellular network to said messaging server external to the cellular network, in which response message the information relating to said terminal is indicated with the aid of said first identifier.

- 20 2. A method according to claim 1, wherein said inquiry is made in response to a message addressed to the terminal arriving at the messaging server.

- 25 3. A method according to claim 2, wherein said message is a multimedia message.

4. A method according to claim 1, wherein the transmission of data in the method is performed in a packet switched mode.

- 30 5. A method according to claim 2, wherein the method comprises:  
mapping an address associated with the message addressed to the terminal to said first identifier of the terminal in the messaging server (before sending said inquiry to the cellular network).

- 35 6. A method according to claim 1, wherein said second identifier is one of the following: an IMSI (International Mobile Subscriber Identity) code, an IMUI (International Mobile User Identity) code.

7. A method according to claim 1, wherein said inquiry is sent to a specific network element of the cellular network and that said network element

determines said information relating to the terminal (MS) using said second identifier.

5 8. A method according to claim 7, wherein said network element is a gateway GPRS support node and that the inquiry is always sent from the messaging server to the same gateway GPRS support node.

10 9. A method according to claim 2, wherein said network element is a gateway GPRS support node, and  
said messaging server receives said response message, in which said information relating to the terminal is indicated, and that  
said information is one of the following: the readiness of the terminal to receive data, the terminal being attached to the network.

15 10. A method according to claim 9, wherein said information relating to the terminal is the readiness of the terminal to receive data, whereupon said response message indicates whether said terminal has an active PDP-context (Packet Data Protocol) with a gateway GPRS support node, wherein:

20 in a situation, where the terminal has an active PDP-context with a gateway GPRS support node, said message is sent from the messaging server to the terminal in response to the receipt of said response message ;  
and

25 in a situation, where the terminal does not have an active PDP-context with any gateway GPRS support node said message is not sent to the terminal.

30 11. A method according to claim 10, wherein in a situation, where the terminal does not have an active PDP-context with any gateway GPRS support node, said inquiry is repeated after a specific period of time.

35 12. A method according to claim 1, wherein said first identifier comprises:  
a first part that indicates a messaging service subscriber;  
a second part that indicates the messaging server in question; and  
a third part that can be determined on the basis of said first and second parts for the purpose of security.

13. A server external to a cellular network for inquiring about specific information, relating to a terminal of the cellular network from the cellular network, wherein the server comprises:

means for defining a specific first identifier external to the cellular network for identifying said terminal;

means for sending an inquiry from the server to the cellular network to determine said information relating to the terminal, the inquiry comprising said first identifier.

14. A server according to claim 13, wherein it comprises:

means for receiving a response message sent from the cellular network to said server external to the cellular network in response to said inquiry, the response message comprising the information relating to said terminal, indicated with the aid of said first identifier.

15. A server according to claim 13, wherein the server is arranged to send said inquiry in response to a message addressed to the terminal arriving at the server; and that the server comprises:

means for mapping the address, associated with the message addressed to the terminal, to said first identifier of the terminal.

16. A computer program product executable in a server external to a cellular network for inquiring about specific information, relating to a terminal of the cellular network, from the cellular network, wherein the computer program product comprises program code:

for defining a first identifier external to the cellular network for identifying said terminal;

for causing said server to send an inquiry to the cellular network to determine said information relating to the terminal, the inquiry comprising said first identifier for identifying said terminal.

17. A network element of a cellular network, wherein it comprises:

means for receiving an inquiry sent by a server external to the cellular network, the inquiry comprising a request to determine specific information relating to a terminal of the cellular network, and the inquiry comprising a first identifier for identifying said terminal, the first identifier being a specific identifier external to the cellular network;

means for mapping said first identifier to a specific second identifier, the second identifier being an internal identifier of the cellular network;

means for determining said information relating to the terminal with the aid of said second identifier;

means for sending a response message to the server external to the cellular network in response to said inquiry, the response message comprising the information relating to said terminal indicated with the aid of said first identifier.

18. A network element according to claim 17, wherein said network element is a gateway support node of the cellular network.

19. A computer program product executable in a network element of a cellular network, wherein the computer program product comprises program code:

for causing the network element to receive an inquiry sent by a specific server external to the cellular network, the inquiry comprising a request to determine specific information relating to a terminal of the cellular network, and the inquiry comprising a first identifier for identifying said terminal, the first identifier being a specific identifier external to the cellular network;

for mapping said first identifier to a specific second identifier, the second identifier being an internal identifier of the cellular network;

for causing the network element to determine said information relating to the terminal with the aid of said second identifier;

for causing the network element to send a response message to the server external to the cellular network in response to said inquiry, the response message comprising the information relating to said terminal indicated with the aid of said first identifier.

20. A system comprising a server external to a cellular network and a network element of the cellular network for inquiring about information, relating to a terminal of the cellular network from the cellular network from the server external to the cellular network, wherein the server comprises:

means for defining a specific first identifier external to the cellular network for identifying said terminal;

means for sending an inquiry from the server to the network element of the cellular network to determine said information relating to the terminal, the inquiry comprising said first identifier and that the network element of the cellular network comprises:

means for receiving said inquiry ;

means for mapping said first identifier to a specific second identifier, the second identifier being an internal identifier of the cellular network;

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1. *What is the purpose of the document?*  
 2. *What are the main findings of the study?*  
 3. *What are the implications of the findings?*  
 4. *What are the limitations of the study?*  
 5. *What are the conclusions of the study?*